

*Research Associate, Department of Meteorology, **Penn** **State**.*

We are seeking a person to work with Profs. J. Wyngaard and W. Frank on modifying and improving the representation of turbulence and boundary-layer processes in WRF. Of particular interest is enabling WRF operation at grid resolutions on the order of hundreds of m to a few km, where conventional turbulence parameterizations can fail.

The position is for two years, with possible extension. Ph.D. degree or equivalent experience required. The applicant must have numerical weather prediction (NWP) experience, preferably running and modifying WRF-ARW and/or WRF-NMM, and must be willing to learn how to write and modify code in both WRF dynamic cores. Applicant must be familiar with Fortran and working in a Unix/Linux environment. Experience in shell scripting is highly desirable. Applicant will be given some guidance from Prof. Stauffer's NWP team.

Interested candidates can contact us at

wyngaard@ems.psu.edu or

frank@ems.psu.edu for more information.